

Title (en)
METHOD AND APPARATUS FOR FORMING FUSED SILICA BY COMBUSTION OF LIQUID REACTANTS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES QUARZGLASES DURCH VERBRENNUNG VON FLÜSSIGEN REAGENTIEN

Title (fr)
PROCEDE ET DISPOSITIF SERVANT A OBTENIR DU VERRE DE SILICE PAR COMBUSTION DE REACTIFS LIQUIDES

Publication
EP 0868401 B1 20040804 (EN)

Application
EP 96945303 A 19961212

Priority

- US 9620756 W 19961212
- US 888995 P 19951219

Abstract (en)
[origin: WO9722553A1] The present invention is directed to a method for making fused silica glass by introducing a liquid, preferably halide-free, silicon-containing compound (32) directly into the flame (23) of a burner (24), thereby forming amorphous soot (25). This soot is deposited on a surface (26) and consolidated into a body of fused silica glass. The invention also relates to an apparatus which includes a burner (24) which generates a flame (23); an injector (31) for supplying a compound (32) to the flame (23) to convert the compound to soot and a surface (26) on which the soot is deposited.

IPC 1-7
C01B 33/12; B05B 1/28; C01B 33/18

IPC 8 full level
B05B 1/28 (2006.01); **B01J 19/26** (2006.01); **C01B 33/18** (2006.01); **C03B 8/00** (2006.01); **C03B 19/14** (2006.01); **C03B 20/00** (2006.01); **C03B 37/014** (2006.01); **C03C 1/00** (2006.01); **C03C 3/06** (2006.01)

CPC (source: EP KR US)
B01J 19/26 (2013.01 - EP US); **B05B 1/28** (2013.01 - KR); **C01B 33/12** (2013.01 - KR); **C01B 33/183** (2013.01 - EP US); **C03B 19/1415** (2013.01 - EP US); **C03B 19/1423** (2013.01 - EP US); **C03B 37/01413** (2013.01 - EP US); **C03B 37/0142** (2013.01 - EP US); **C03C 1/00** (2013.01 - EP US); **C03C 3/06** (2013.01 - EP US); **B01J 2219/00157** (2013.01 - EP US); **B01J 2219/00159** (2013.01 - EP US); **C03B 2207/06** (2013.01 - EP US); **C03B 2207/14** (2013.01 - EP US); **C03B 2207/20** (2013.01 - EP US); **C03B 2207/32** (2013.01 - EP US); **C03B 2207/34** (2013.01 - EP US); **C03B 2207/42** (2013.01 - EP US); **C03B 2207/80** (2013.01 - EP US); **C03C 2201/06** (2013.01 - EP US); **C03C 2203/40** (2013.01 - EP US); **Y02P 40/57** (2015.11 - EP US)

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WO2011107430A1; DE112011100741T5; US8959957B2

Designated contracting state (EPC)
AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9722553 A1 19970626; AT E272573 T1 20040815; AU 1520697 A 19970714; AU 718737 B2 20000420; BR 9611969 A 19990217; CA 2233021 A1 19970626; CN 1128111 C 20031119; CN 1204299 A 19990106; DE 69633066 D1 20040909; EP 0868401 A1 19981007; EP 0868401 A4 19990317; EP 0868401 B1 20040804; JP 2000502040 A 20000222; JP 4089922 B2 20080528; KR 100473827 B1 20050718; KR 20000064466 A 20001106; TW 343959 B 19981101; UA 46068 C2 20020515; US 6565823 B1 20030520

DOCDB simple family (application)
US 9620756 W 19961212; AT 96945303 T 19961212; AU 1520697 A 19961212; BR 9611969 A 19961212; CA 2233021 A 19961212; CN 96199035 A 19961212; DE 69633066 T 19961212; EP 96945303 A 19961212; JP 52308997 A 19961212; KR 19980704637 A 19980618; TW 86100125 A 19970407; UA 98052779 A 19961212; US 76765396 A 19961217